

بند (2 - 5)

التكامل بالتعويض

أوجد:

$$\int (x^2 + 2x + 5)^3 (2x + 2) dx$$

$$\int \frac{\left(\frac{1}{x} + 4\right)^5}{x^2} dx$$

$$\int \frac{(2 + \sqrt{x})^{12}}{\sqrt{x}} dx$$

$$\int \sqrt[5]{(3x + 7)} dx$$

$$\int \frac{3(\sqrt[3]{x} - 5)dx}{\sqrt[3]{x^2}}$$

$$\int x(2x - 1)^3 dx \quad \text{أوجد:}$$

$$\int x^5 \sqrt{3 + x^2} dx \quad \text{أوجد:}$$

$$\int x^5 \sqrt[3]{x^3 + 1} dx$$